

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-058309

(43)Date of publication of application : 03.03.1998

(51)Int.CI. B24B 37/00
H01L 21/304

(21)Application number : 08-281478

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(22)Date of filing : 02.10.1996

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(30)Priority

Priority number : 08 54055
08171735Priority date : 16.02.1996
11.06.1996

Priority country : JP

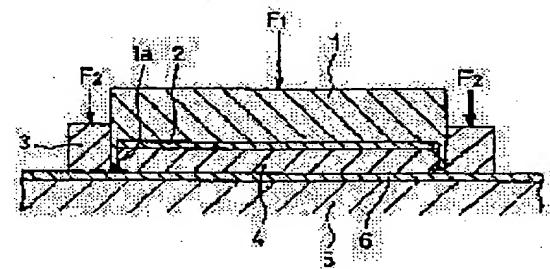
JP

(54) POLISHING DEVICE AND POLISHING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a polishing device and a polishing method capable of preventing the occurrence of the excess and deficiency of a polishing amount around the periphery of a polishing object, and performing a polishing process at a higher degree of flatness by causing a presser ring to apply an optimum pressing force to an abrasive cloth, depending on the polishing object or a polishing condition.

SOLUTION: A polishing device is equipped with a turntable 5 having an abrasive cloth 6 pasted to the upper surface, and a top ring 1, and holds a semiconductor wafer 4 between the turntable 5 and the top ring 1 in such a state as pressed at the prescribed force. The semiconductor wafer 4 is thereby polished, flattened and finished to mirror surface. Regarding the polishing device so formed, a presser ring 3 is provided around the top ring 1 having a recess for housing the semiconductor wafer 4 in such a state as freely movable in a vertical direction, and a presser means is provided for pressing the presser ring 3 to the abrasive cloth 6. Also, the pressing force of the pressing means is made variable.



LEGAL STATUS

[Date of request for examination]

13.10.1999

[Date of sending the examiner's decision of
rejection]

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[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number] 3045966

[Date of registration] 17.03.2000

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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